

09/025, 531

=> d his

(FILE 'USPAT' ENTERED AT 09:56:16 ON 22 DEC 1998)

L1 106742 S 29/CLAS
L2 11525 S L1 AND (FRAME?)
L3 24 S L2 AND HYDROFORM####
L4 14 S L3 AND VEHICLE?
L5 75286 S 280/CLAS
L6 14647 S L5 AND (FRAME?)
L7 6 S L6 AND HYDROFORM####
L8 6 S L7 AND VEHICLE?
L9 29280 S 296/CLAS
L10 5965 S L9 AND (FRAME?)
L11 6 S L10 AND HYDROFORM####
L12 6 S L11 AND VEHICLE?
L13 52507 S 72/CLAS
L14 5477 S L13 AND (FRAME?)
L15 31 S L14 AND HYDROFORM####
L16 14 S L15 AND VEHICLE?
L17 81090 S 52/CLAS
L18 12409 S L17 AND (FRAME?)
L19 3 S L18 AND HYDROFORM####
L20 3 S L19 AND VEHICLE?
L21 87308 S 248/CLAS
L22 9078 S L21 AND (FRAME?)
L23 0 S L22 AND HYDROFORM####

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frame / by dro forming / vehicle

=> d pno 14 1-14

1.	5,845,382	[IMAGE AVAILABLE]
2.	5,819,408	[IMAGE AVAILABLE]
3.	5,720,092	[IMAGE AVAILABLE]
4.	5,718,048	[IMAGE AVAILABLE]
5.	5,673,929	[IMAGE AVAILABLE]
6.	5,600,983	[IMAGE AVAILABLE]
7.	5,582,052	[IMAGE AVAILABLE]
8.	5,561,902	[IMAGE AVAILABLE]
9.	5,557,961	[IMAGE AVAILABLE]
10.	5,491,883	[IMAGE AVAILABLE]
11.	5,431,326	[IMAGE AVAILABLE]
12.	5,339,667	[IMAGE AVAILABLE]
13.	5,170,557	[IMAGE AVAILABLE]
14.	5,148,591	[IMAGE AVAILABLE]

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frame / hydroforming

=> d pno 13 1-24

1.	5,845,382	[IMAGE AVAILABLE]
2.	5,819,408	[IMAGE AVAILABLE]
3.	5,813,266	[IMAGE AVAILABLE]
4.	5,802,898	[IMAGE AVAILABLE]
5.	5,802,696	[IMAGE AVAILABLE]
6.	5,720,092	[IMAGE AVAILABLE]
7.	5,718,048	[IMAGE AVAILABLE]
8.	5,673,929	[IMAGE AVAILABLE]
9.	5,600,983	[IMAGE AVAILABLE]
10.	5,582,052	[IMAGE AVAILABLE]
11.	5,561,902	[IMAGE AVAILABLE]
12.	5,557,961	[IMAGE AVAILABLE]
13.	5,499,520	[IMAGE AVAILABLE]
14.	5,491,888	[IMAGE AVAILABLE]
15.	5,481,892	[IMAGE AVAILABLE]
16.	5,431,326	[IMAGE AVAILABLE]
17.	5,372,027	[IMAGE AVAILABLE]
18.	5,372,026	[IMAGE AVAILABLE]
19.	5,339,667	[IMAGE AVAILABLE]
20.	5,239,852	[IMAGE AVAILABLE]
21.	5,170,557	[IMAGE AVAILABLE]
22.	5,157,969	[IMAGE AVAILABLE]
23.	5,148,501	[IMAGE AVAILABLE]
24.	3,699,640	[IMAGE AVAILABLE]

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#	Patent	Source	Flag	Issue Date	Pages	Current Original Classif	Retrieval Classif	Current Cross Reference
1	5,813,266	U	T	09/29/1998	16	72/57		29/421.1 ...
2	5,720,092	U <i>get from</i>	T	02/24/1998	6	29/421.1		29/523 ...
3	5,557,961	U <i>Shoe</i>	T	09/24/1996	11	72/61		29/421.1
4	5,339,667	U	T	08/23/1994	8	72/58		29/421.1 ...
5	5,170,557	U	T	12/15/1992	8	29/890.08		29/455.1 ...

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frame/hydro/vehicle

=> d pno 116 1-14

1.	5,845,382	[IMAGE AVAILABLE]
2.	5,816,089	[IMAGE AVAILABLE]
3.	5,718,048	[IMAGE AVAILABLE]
4.	5,666,840	[IMAGE AVAILABLE]
5.	5,657,922	[IMAGE AVAILABLE]
6.	5,600,983	[IMAGE AVAILABLE]
7.	5,582,052	[IMAGE AVAILABLE]
8.	5,561,902	[IMAGE AVAILABLE]
9.	5,557,961	[IMAGE AVAILABLE]
10.	5,491,883	[IMAGE AVAILABLE]
11.	5,445,001	[IMAGE AVAILABLE]
12.	5,431,326	[IMAGE AVAILABLE]
13.	5,339,667	[IMAGE AVAILABLE]
14.	5,170,557	[IMAGE AVAILABLE]

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=> d pno 115 1-31

frame / hydro /

1.	5,845,382	[IMAGE AVAILABLE]
2.	5,816,089	[IMAGE AVAILABLE]
3.	5,813,266	[IMAGE AVAILABLE]
4.	5,802,898	[IMAGE AVAILABLE]
5.	5,771,730	[IMAGE AVAILABLE]
6.	5,718,048	[IMAGE AVAILABLE]
7.	5,666,840	[IMAGE AVAILABLE]
8.	5,657,922	[IMAGE AVAILABLE]
9.	5,630,334	[IMAGE AVAILABLE]
10.	5,600,983	[IMAGE AVAILABLE]
11.	5,582,032	[IMAGE AVAILABLE]
12.	5,561,902	[IMAGE AVAILABLE]
13.	5,557,961	[IMAGE AVAILABLE]
14.	5,533,372	[IMAGE AVAILABLE]
15.	5,499,520	[IMAGE AVAILABLE]
16.	5,491,883	[IMAGE AVAILABLE]
17.	5,481,892	[IMAGE AVAILABLE]
18.	5,445,001	[IMAGE AVAILABLE]
19.	5,431,326	[IMAGE AVAILABLE]
20.	5,372,027	[IMAGE AVAILABLE]
21.	5,372,026	[IMAGE AVAILABLE]
22.	5,353,618	[IMAGE AVAILABLE]
23.	5,339,667	[IMAGE AVAILABLE]
24.	5,239,852	[IMAGE AVAILABLE]
25.	5,170,557	[IMAGE AVAILABLE]
26.	5,157,969	[IMAGE AVAILABLE]
27.	5,066,351	[IMAGE AVAILABLE]
28.	4,731,617	[IMAGE AVAILABLE]
29.	4,535,689	[IMAGE AVAILABLE]
30.	3,651,685	[IMAGE AVAILABLE]
31.	3,630,056	[IMAGE AVAILABLE]

#	Patent	Source	Flag	Issue Date	Pages	Current Original Classif	Retrieval Classif	Current Cross Reference
1	5,816,089	U ?	T	10/06/1998	14	72/55		72/427 ...
2	5,813,266	U <i>Share</i>	T	09/29/1998	16	72/57		29/421.1 ...
3	5,666,840	U ?	T	09/16/1997	13	72/55		72/336 ...

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frame/hydro/vehicle

=> d pno 120 1-3

- | | | | |
|----|--------------------|-------------------|-----------------|
| 1. | <u>5,718,048</u> ✓ | [IMAGE AVAILABLE] | (get from shoe) |
| 2. | <u>5,549,352</u> ✓ | [IMAGE AVAILABLE] | print |
| 3. | <u>5,332,281</u> ✓ | [IMAGE AVAILABLE] | " |

#	Patent	Source	Flag	Issue Date	Pages	Current Original Classif	Retrieval Classif	Current Cross Reference
1	5,718,048 ✓	U	T	02/17/1998	28	29/897.2		29/421.1 ...
2	5,549,352 ✓	U	T	08/27/1996	12	296/209		52/653.2 ...
3	5,332,281 ✓	U	T	07/26/1994	12	296/209		52/696 ...

pick up ?

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brace/hydroforming/vehicle

=> d pno 17 1-6

1.	5,718,048	[IMAGE AVAILABLE]	
2.	5,700,033 ✓	[IMAGE AVAILABLE]	print
3.	5,673,929	[IMAGE AVAILABLE]	
4.	5,641,176	[IMAGE AVAILABLE]	
5.	5,632,508 ✓	[IMAGE AVAILABLE]	print
6.	5,561,902	[IMAGE AVAILABLE]	

#	Patent	Source	Flag	Issue Date	Pages	Current Original Classif	Retrieval Classif	Current Cross Reference
1	5,700,033 ✓	U	T	12/23/1997	8	280/795		280/787
2	5,632,508 ✓	U	T	05/27/1997	16	280/781		

Pick up ?

296/

frame/hydroforming/vehicle

use none
(done!)

=> d pno 111 1-6

1.	5,819,408	[IMAGE AVAILABLE]
2.	5,718,048	[IMAGE AVAILABLE]
3.	5,561,902	[IMAGE AVAILABLE]
4.	5,549,352	[IMAGE AVAILABLE]
5.	5,449,213	[IMAGE AVAILABLE]
6.	5,332,281	[IMAGE AVAILABLE]